COMPOSITION AND THERAPEUTIC PROPERTIES OF HONEY

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BROWNE, C. A. and YOUNG, W. J. Chemical analysis and composition of American honeys. U. S. Bureau of Chemistry B. 110. 93p. 1908.

BRYAN, A. H., GIVEN, A., and SHERWOOD, S. Chemical analysis and composition of imported honey...U. S. Bureau of Chemistry B. 154. 21p. 1912.

GOTHE, F. Die fermente des honigs. Ztschr. f. Untersuch. der Nahr. u. Genussmtl. 28(6):(273)-286. Sept. 15, 1914.

DUTCHER, R. A. Vitamin studies. 3. Observations on the curative properties of honey...in avian polyneuritis. Jour. Biol. Chem. 36(3):551-555. Dec. 1918.

McCANN, A. W. Why you should eat honey. Phys. Cult. 39(3):44, 66-68 Mar. 1918.

SACKETT, W. G. Honey as a carrier of intestinal disease. Colo. Agr. Expt. Sta. B. 252. 18p. 1919.

FABER, H. K. A study of the antiscorbutic value of honey. Jour. Biol. Chem. 43:113-116. 1920.

BEHRE, A. Die bestimmung von glykose, fructose, saccharose und dextrin nebeneinander. Ztschr. f. Untersuch. der Nahr. u. Genussmtl. 41:226-230. May 15, 1921.

HAWK, P. B., SMITH, C. A., and BERGEIM, O. The vitamin content of honey and honey comb. Amer. Jour. Physiol. 55(3):339-348. 1921.

AEPPLER, C. W. Tremendous growth force...Gleanings Bee Cult. 50(3): 151-153. Mar. 1922.

LUTTINGER, P. Bees' honey in substitute infant feeding. N.Y. Med. Jour. and Med. Rec. 116(3):153-155. 1922.

NELSON, J. M., and COHN, D. J. Invertase in honey. Jour. Biol. Chem. 51(1):193-224. Aug. 1924.

---------- Milk and honey. Amer. Bee Jour. 55(1):23-25, Jan. 1924.

FLOOD, R. G. Selection of sugars in infant feeding. Arch. Ped. 42: 50-51. Jan. 1925.

[COMBY], J. Le lait au miel chez les enfants. Arch. Med. des Enfants 29(1):46-49, Jan. 1926.

GOODACRE, W. A. Tannic acid in honey. Agr. Gaz. N. S. Wales, 37:374-375. 1926.

THOMAS, G. N.W. Honey: It's value in heart failure. Lancet 207 (5287):1363. 1926.

ENGLISH, C. H. Honey the health sweet. Gleanings Bee Cult. 55(3): 144-146. Mar. 1927.

ZANDER, E., and KOCH, A. Der honig, sein wesen, werden und wert, sowie die grundzuge seiner untersuchung. 143p. Stuttgart, Eugen Ulmer, 1927.

ELSER, F. Weitere beitrage zur quantitativen bestimmung der aschen-bestandteile des honigs. Ztschr. f. Untersuch. der Lebensmitl. 55(4):246-251. 1928.

NELSON, P. M. Honey in fancy and in fact. Amer. Bee Jour. 68(11): 561-563, Nov. 1928.

WALLAMAN, J. J. The race for sweetness. Sci. Monthly 26:76-86, January 1928.

FIEHE, J., and KORDATZKI, W. Neue wege der honiguntersuchung. Ztschr. f. Untersuchung der Lebensmtl. 58(1/2):69-77. 1929.

HOYLE, E. The vitamin content of honey. Biochem. Jour. 23(1): 54-60. 1929.

KIFER, H. B., and MUNSELL, H. E. Vitamin content of honey and honeycomb. Jour. Agr. Res. 39(5):355-366. Sept. 1, 1929.

LAMPITT, L. H., HUGHES, E. B., and ROOKE, H. S. Furfural and diastase in heated honey. Analyst 54:381-395. 1929.

PHILLIPS, E. F. Vitamins found in honey. Gleanings Bee Cult. 57(1): 12-14. Jan: 57(6):369-370. June 1929.

VANSELL, G. H., and FREEBORN, S. B. Preliminary report on the investigations of the source of diastase in honey. Jour. Econ. Ent. 22(6):922-926. Dec. 1929.

LAMPITT, L. H., HUGHES, F. B., and ROOKE, H. S. Diastatic activity of honey. Analyst 55:666-672, Nov. 1930.

PHILLIPS, E. F. Honey as a food. Gleanings Bee Cult. 58(2):82-84. Feb. 1930.

PHILLIPS, E. F. The use of honey in medicine. Gleanings Bee Cult. 58(3), 143-146. Mar. 1930.

VANSELL, G. H., and FREEBORN, S. B. Studies of methods used to detect heated honeys. Jour. Econ. Ent. 23(2): 428-431. April 1930.

-----Formulas for modifying cow's milk with honey for babies. Bees and Honey 12(9): 215-217. Sept. 1931

(BAHR, L.) (Bacterial qualities of honey.) Tidsskr. for Biavl. no. 3/6. Mar. 15/May 15, 1931.

BOER, H. W. de The behavior of diastatic ferments in honey when heated. Bee World 12(2): 13-16. Feb. 1931.

GILLETTE, C. C. Honey catalase. Jour. Econ. Ent. 24(3): 605-606, June 1931.

LOCHHEAD, A. G., and FARRELL, L. The types of osmophilic yeasts found in normal honey and their relation to fermentation. Canad. Jour. Res. 5: 665-672. Dec. 1931.

LOTHROP, R. E., and HOLMES, R. L. Determination of dextrose and levulose in honey by use of iodine-oxidation method. Indus. and Egin. Chem. Anal. Ed., 3(3): 334-339. July 15, 1931.

LOTHROP, R. E., and PAINE, H. S. Diastatic activity of some American honeys. Indus. and Engin. Chem. 23(1): 71-74. Jan. 1931.

LOTHROP, R. E., and PAINE, H. S. Some properties of honey colloids and the removal of colloids from honey with bentonite. Indus. and Engin. Chem. 23: 328-332. March 1931.

MUNIAGURRIA, C. Le miel des abeilles den la dietetique normale et therapeutique du nourrisson. Soc. de Pediatrie de Paris Bul. 29: 227-245. April 21, 1931.

NELSON, E. K., and MOTTERN, H. H. Some organic acids in honey. Indus. and Engin. Chem. 23:335. March 1931.

WILLSON, R. B. The wonderful results of a magnificent experiment. Amer. Bee Jour. 71(9): 409, 438, Sept. 1931.

DEMADE, - Le miel dans les maladies du foie et l'intestin. L'Abeille et L'Erable 1(1): 10. Jan. 1932.

EMRICH, P. Weitere erfahrungen mit honigkuren. Schweiz. Bienen Ztg. 55(12): 616-620. Dec. 1932.

HIPWELL, F. W. W. Carbohydrates in health and disease. p. 57-70. 51st Ann. Rept., Beekeepers' Assoc., Province of Ontario, 1930-1931. 1932.

here T

LOTHROP, R. E., and PAINE, H. S. The colloidal constituents of honey and their effects on foaming and scum formation. Amer. Bee Jour. 72(11): 444, 450. Nov. 1932.

LOTHROP, R. E. Specific test for orange honey. Indus. and Engin. Chem. Anal. Ed., 4(4): 395-396. Oct. 15, 1932.

SCHUETTE, H. A., and REMY, K. Degree of pigmentation and its probable relationship to the mineral constituents of honey. Amer. Chem. Soc. Jour. 54: 2909-2913. 1932.

TRAUTMANN, A., and HENRY, K. Uber das vorkommen von vitaminen in honig Arch. f. Bienenkunde 13(2): 49-65. 1932.

DODGE, N. N. Honey helps to conquer Mount Rainier; its quick energy prevents mountain sickness... Gleanings Bee Cult. 61: 716-721. Dec. 1933.

FINLEY, W. L. Levulose (honey) in athletics. Amer. Bee Jour. 73(11): 423-424. Nov. 1933.

JONES, W. R. Honey sensitization; why honey does not agree with some people and a simple remedy. Gleanings Bee Cult. 61: 462-463. Aug. 1933.

LOTHROP, R. E., and GERTLER, S. I. Determination of amino acids and related compounds in honey. Indus. and Engin. Chem. Anal. Ed., 5(2) 103-105. Mar. 15, 1933.

LOUVEL, G. Note de therapeutique; du miel comme diuretique. Soc. Romande k'Apiculture Bul. 30(1): 27-28. 1933.

POWELL, J. W. Honey and pollen for hay fever. Amer. Bee Jour. 73(1): 391. Jan. 1933.

SCHUETTE, H. A., and PAULY, R. J. Determination of the diastatic activity of honey. Indus. and Engin. Chem. Anal. Ed., 5: 53. Jan. 15, 1933.

WILSON, W. C. Function of honey in the diet. Gleanings Bee Cult. 61(12): 721-723. Dec. 1933.

GUNDEL, M., and BLATTNER, V. Uber die wirkung des honigs auf bakterien und infizierte wunden. Archiv. f. Hyg. u. Bakt. 112(6): (319)-332. 1934.

LOTHROP, R. E., and PAINE, H. S. New method for processing honey brings striking clarity and brilliance. Glass packer 13: 705-707. Nov. 1934.

PAINE, H. S., GERTLER, S. I., and LOTHROP, R. E. Colloidal constituents of honey. Indus. and Engin. Chem. 26 (1): 73-81. 1934.

PRATT, E. H. Honey as a hay fever cure. Bees and Honey 15(7): 132. July 1934.

ROLLEDER, A. Untersuchungen uber den wert des honigs fur die ernahrung von kindern... Bienen Vater 66(8/10): 341. 1934.

SCHUETTE, H. A. A new respect for an old sweet. Amer. Bee Jour. 74(8): 364-365. Aug. 1934.

WHALLEY, M. E. Dietatic and medicinal value of honey. 30 p. Div. Res. Inf., Natl. Res. Council. Ottawa. Nov. 1934.

DAMES, W. .... Uber die antiseptische wirkung des honigs... 13p.. Wursburg, Konrad Triltsch. 1936.

GABBERT, W. ...Der honig als antiseptikum... 15p. Wurzburg, Georg Grasser, 1936.

LOTHROP, R. E. The potential alkalinity of honey. Jour. Nutr. 11(6): 511-514. June 1936.

LOTHROP, R. E. The mineral constituents of honey. Gleanings Bee Cult. 64(8): 469-471. Aug. 1936.

DOLD, H., DU, D. H., and DZIAC, S. T. Nachweis antibakterioller, hitze- und lichtempfindlicher hemmungsstoffe in naturhonig. Ztschr. f. Hyg. u. Infektionskrank. 120(2): (155)-167. 1937.

McGREW, G. D. Time and money saved in the treatment of hay fever. Military Surgeon 80(5): 371-374. May 1937.

SCHUETTE, H. A., and HUENINK, D. J. Mineral constituents of honey. 2. Phospherus, calcium, magnesium. Food Res. 2(6): 529-538. 1937.

WEBER, H. Honig zur behandlung vereiterter wunden. Therapie der Gegenwart 78(12): 547-550. Dec. 1937.

BARTELS, W. Honig und kunsthonig. p.(298)-361 In: Handbuch der Lebenemittel Chemie, begrundet von J. Bomer, A. Juckenack, J. Tillmans. Bd. 5. Berlin, Julius Springer. 1938.

SCHLUTZ, F. W., KNOTT, E. M., GEDGOUD, J. L., and LOEWENSTAMM, I. The comparative values of various carbohydrates used in infant feeding, Jour. Ped. 12(6): 716-724. 1938.

SCHLUTZ, F. W., and KNOTT, E. M. The use of honey as a carbohydrate in infant feeding. Jour. Ped. 13(4): 465-473. Oct. 1938.

SCHUETTE, H. A. and TRILLER, R. E. Mineral constituents of honey. 3. Sulfur and chlorine. Food Res. 3(5): 543-547. May-June 1938.

GORBACH, G., and WINDBABER, F. Die bestimmung der mineralbestandtaile des honigs mit hilfe der spektralanalyse. Ztschr. f. Untersuch. der Lebensmtl. 77(4): (337)-346. April 1939.

SCHUETTE, H. A., and WOESSNER, W. W. Mineral constituents of honey. 4. Sodium and potassium. Food Res. 4(4): 349-353. Jl.-Aug. 1939.

---- Honey versus bacteria. Lancet 238(6096): 1184. June 29, 1940.

DOLD, H. Uber antibakterielle schutzwirkungen der sekrete der körperoberflächen. Third Internatl. Cong. Microbiol., Rept. of Proc. N. Y. p. 759. (1940)

FRANCO, M., and SARTORI, L. Sull'azione antibatterica del miele. Ann. d'Ig. (Rome) L.N.5: 216-227. May 1940.

SCHUETTE, H. A., WOESSNER, W. W., TRILLER, R. E., and HUENINK, D. J. ... Degree of pigmentation and the potential acid-base balance of honey. Wis. Acad. Sci., Arts, Letters, Tras. 32: 273-277. 1940.

SCHUETTE, H. A., and ZIMMERMAN, P. L. Uptake of zinc by honey during extraction from the comb. Inst. Food Technologists Proc., p. 149-152. June 1940.

KNOTT, E. M., SCHUKERS, C. F., and SCHULTZ, F. W. The effect of honey upon calcium retentions in infants. Jour. Ped. 19: 485-494. Oct. 1941.

PHILLIPS, E. F., Honey as a food and medicine. 16p. Medina (Ohio). A. I. Root Co. 1941.

SHUKERS, C. F., KNOTT, E. M., and SCHLUTZ, F. W. Magnesium balance studies with infants. Jour. Nutr. 22(1): 53-64. July 10, 1941.

HAYDAK, M. H., PALMER, L. S., TANQUARY, M. C., and VIVINO, A. E. Vitamin content of honeys. Jour. Nutr. 23(6): 587-588. June 1942.

HAYDAK, M. H., PALMER, L. S., and TANQUARY, M. C. The role of honey in the prevention and cure of nutritional anemia in rats. Jour. Ped. 21(6): 763-768. Dec. 1942.

STEPHEN, W. A. A hot room for the removal of moisture from honey. Amer. Bee Jour. 82(8): 348-349. Aug. 1942.

HAYDAK, M. H., and TANQUARY, M. C. New information on honey. Gleanings Bee Cult. 71(3): 137-139, 186-187, 190. Mar. 1943.

HAYDAK, M. H., PALMER, L. S., TANQUARY, M. C., and VIVINO, A. E. The effect of commercial clarification on the vitamin content of honey. Jour. Nutr. 26(3): 319-321. Sept. 1943.

KITZES, G., SCHUETTE, H. A., and ELVEHJEM, C. A. The B vitamins in honey. Jour. Nutr. 26(3): 241-250. Sept. 1943.

KITZES, G., SCHUETTE, H. A., and ELVEHJEM, C. A. Honey a fair source of vitamins. Wis. Agr. Expt. Sta. Bul. 461. p. 18-19. Dec. 1943.

MUNRO, J. A. The viscosity and thixotropy of honey. Jour. Econ. Ent. 36(5): 769-777. Oct. 1943.

VIVINO, A. E., HAYDAK, M. H., PALMER, L. S., and TANQUARY, M. C. Antihemorrhagic vitamin effect of honey. Soc. Expt. Biol. and Med. Proc. 53(1): 9-11. May 1943.

ADAMS, G., and SMITH S.L. Experiment Station Research on the vitamin content and the preservation of foods. U. S. Dept. Agr. Misc. Pub. 536, p. 81-88. March 1944.

BECK, B. F., and SMEDLEY, D. Honey and your health; a nutrimental, medicinal and historical commentary. New and rev. ed., 246 p. N. Y., McBride, 1944.

CARTER, D. Bees produce medicinal honey. Western Canada Beekeeper, 7(12): 12. Dec. 1944.

HAYDAK, M. H., VIVINO, A. E., BOEHRER, J. J., BJORNDAHL, O., and PALMER, L. S. A clinical and biochemical study of cow's milk and honey as an essentially exclusive diet for adult humans. Amer. Jour. Med. Sci. 207(2): 209-219. Feb. 1944.

HURD, C. D., ENGLIS, D. T., BONER, W. A., and ROGERS, M. A. Carbohydrate analysis as applied to honey. Amer. Chem. Soc. Jour. 66(12): 2015-2017. Dec. 1944.

SCHUETTE, H. A., and BALDWIN, C. L. Amino acids and related compounds in honey. Food Res. 9: 244-249. May-June 1944.

TEMNOV, V. A. Bactericidal properties of honey and utilization of honey and other beekeeping products for the healing of wounds. Bee World 25: 86-87. Nov. 1944.

YANG, K. L. The use of honey in the treatment of chilblains, non-specific ulcers and small wounds. Chinese Med. Jour. 62(1): 55-60 Jan.-Mar. 1944.

BUDAY, A. S. (Honey in therapy of lowly healing wounds and ulcers). Vrachebnce Delo 25: 617-618. Dec. 1945.

FERRO-LUZZI, G. Studio sul contenuto in vitamina B^1 nel miele. Soc. Ital. Med. Ig. Trop., Bol. 5: 171-176. 1945.

ROT, A. V., and ROT, D. Honey as a destroyer of disease germs in the human body. (in Hebrew) Hassadeh 25(5): 141. Feb. 1945.

GIDEKEL, S. Efectos contrarios de los salicilatos y la miel de abejas sobre el tiempo de protrombina... Prensa Medica Argentina 33(27): 1403-1408, July 5, 1956.

----- Schweizerische honigstatistik 3. Beihefte z. Schweiz. Bienen Ztg. 1 (12): 572-873. June 1946.

------ Honey for treatment of peptic ulcer. Amer. Med. Assoc. Jour. 134(5): 489. May 31, 1947.

CAILLAS, A. Les produits de la ruche. 3rd ed. 303 p. Orleans, The Author, 1947.

DOLD, H. Uber antibakterielle hemmungstoffe (inhibine) im naturhonig. Imkerfreund 2: (41)-43. May 1947.

------ Honey in the diet in heart disease. Amer. Med. Assoc. Jour. 136(6): 433. Feb. 7, 1948.

------ Food value of honey. Brit. Med. Jour. (4555): 816. April 24, 1948.

CALUDE, -Toutque l'on sait aujourd'hui sur les vitamines du miel. Gas. Apic. 49: 66-70. March 1948.

METZ (M.D.): Ulrich. Intravenose Honigtherapie bei coronaren Durchblutungsstorungen. (Intravenous honey therapy in coronary circulatory disturbances). Hippokrates 19:30-41, electrocardiograms Feb. 1948. Refs. p. 41.

AMMON, R. Der ursprung der diastase des bienenhonigs. Biochem. Ztschr. 319(3): (295)-299. 1949.

SHAKOV, G. Honey - a good therapeutic agent. Agr.-Com.-Indus. Life (Manila) 11(4):16. April 1949.

NEWMANN, W. and HABERMANN, E. Uber parasympathicoimetische Wirkungen des Bienenhonigs. (Parasympathomimetic effects of honey). Arch. Expt. Path. Pharmak. 212(1/2): 163 only, 1950.

SPOTTEL, Walter. Honig and Trockenmilch; Biochemie und therapeutische Bedeutung. (Honey and dried milk; boichemistry and therapeutic value) Leipsig, Barth, 1950. 323 p.

COCKER, L. The enzymic production of acid in honey. Jour. Sci. Food & Agric. 2(9):411-414, tables. September 1951.

LIPPOLD, Ursula. Zur Methodik der Kohlenhydratbestimmung im Honig. (On the method of determining carbohydrate in honey.) Ztschr. f. Lebensmittel-Untersuchung u. Forschung 92:9-13, tables. Jan. 1951.

MALYOTH, E. Zur papierchromatographischen Darstellung des Honigs. (Investigation of honey by paper chromatography.) Naturwissenschaften 38:(20):478 only, 1951.

MAURIZIO, A. & GUBLER, H. U., Bee Dept. Liebefeld. Uber die Wirkung von Honig, Futtersaft and Kittharz auf Bakterien. (On the effect of honey, royal jelly and propolis on bacteria) Preliminary report. Schweiz. Land-wirtschaftliche Monatshefte 29(9)-309-314, figs., tables. September 1951.

MOREAUX, Dr. R. Le miel dans l'alimentation et en therapeutique. (Honey as a food and as a therapeutic agent.) Revue de Pathologie Comparee ot d'Hyg. Gen. 51(624): 59-85. January 1951. Refs. p. 82-84. English summary p. 85.

MUTH, Dr. Otto Menden i.W., Hauptstr. Haben die praktischen Erfahrungen mit Melaesthin bestatigt, was die theoretischen Erorterungen bei der Einfuhrung dieses Anasthetikums erhoffen liessen? (Has practical experience with Melaesthin born out the theory of this anaesthetic?) Zahnarztliche Rundschau 60(9/10):180-182. Refs. May 1951.

WEGMANN, T. Uber die Wirkung des Honigpraparates "M2 WOELM" bei der Behandlung von Kreislauferkrankungen. (On the effect of the honey preparation "M2 WOELM" for the treatment of circulatory disturbances.) Praxis 40(23):484-485, Refs. June 7, 1951.

WOLFF, H. G. Bienenhoniginjektionen bei inneren Krankheiten des Hundes. (Honey injections given for internal diseases of the dog.) Tierarztl. Umschau 6(21/22): 403-405. Nov. 1951.

MARQUARDT, Peter; Aring, Ernst & Vogg, Georg Untersuchungen uber das gemeinsame Vorkommen von Acetylcholin and Diastase im Honig. (Studies on the occurrence of acetylcholine and diastase in honey.) Arzneimittel Forsch. 3:446-448, tables, Sept. 1953.

PESTEL, Maurice. La perfusion de solutions isotoniques de miel. Sa valeur dans les suites operatoires. (The perfusion of isotonic honey solutions. Its post-operative value.) Presse Medicale 61(14): 295, Feb. 28, 1953.

SUDHOF, Heinrich Med. Univ. Klinik, Gottingmen. Vergleichende Versuche uber die Verwertbarkeit von Glucose und Honig durch die glatte Muskulatur in vitro. (Comparative tests on the utilization of glucose and honey by the smooth musculature in vitro.) Klinische Wochenschr. 31(7/8):173-174, tables. Feb. 15, 1953.

TOBIASCH, V. & KILIAN, P. Ueber das Verhalten der Diabetiker bei Verabreichung von Honig. (Reaction of diabetic patients to honey) Deut. Ztschr. Verdauungs-u. Stoffwechselkrankh. 13(1):1-6, figs. February 1953.

GONTARSKI, Hugo. Eine elektrophotometrische Halbmikromethode zur quantitativen Diastasebestimmung im Bienenhonig. (An electrophotometric semimicromethod for the quantitative determination of diastase in honey.) Ztschr. f. Lebensmittel Untersuchung u. Forsch. 98(3):205-213, figs., tables. 1954.

------ (Honey in celiac disease) "Your questions answered" (Section) Postgraduate Medicine 16(3):A-20, Sept. 1954.

CHISTOV, V. C. (On acid and buffer properties of honey.) In Russian. Pchelovodstvo (2):28-32, tables, Feb. 1954.

GONTARSKI, H. Zur Methodik der quantitativen Diastasebestimmung im Bienenhonig. (On a method for the quantitative determination of diastase in honey.) Ztschr. f. Bienenforsch. 2(7):209-212, fig., table, July 1954.

HELVEY, T. C. Study on some physical properties of honey. Food Research 19(3):282-292, figs. Refs. May-June 1954.

KIERMEIER, Friedrich & KOBERLEIN, Walter. Uber die Hitzeinaktivierung von Enzymen in Honig. (On the heat inactivation of enzymes in honey.) Ztschr. f. Lebensm. Untersuchung & Forsch. 98:(329)-347, figs., tables, May 1954.

MITCHELL, T, J., DONALD, E. M. & KALSO, J. R. M., An examination of Scottish heather honey. Analyst 79(940):435-442, tables, July 1954, Refs., P. 442

ROHRBACH, Heinz, Erfahrung mit der intravenosen Honigtherapie in der Gynakologie, insbesondere bei der Hyperemesis. Experience with intravenous honey therapy in gynacology, especially in hyperemesis . Medizinische Klinik 49(41):1661-1662, October 8, 1954.

SZENTKIRALYI, Istvan & OBAL, Ferene. [Effect of honey on the weight increase of premature infants.] In Hungarian. Gyermekgyogyaszat (Budapest) 5(7):203-209, tables, figs., July 1954.

VIGNEC, Alfred J. & JULIA, Juan F.; Honey in infant feeding. American Journal of Diseases of Children 88(4):443-451, tables, Refs. October 1954.

WHITE, J(onathan) W. Jr. & MAHER, Jeanne. Sugar analyses of honey by a selective adsorption method. Assoc. of Official Agr. Chemists Jour. 37(2):(478)-486, fig., tables, May 1954.

WHITE, J(onathan) W. Jr. & MAHER, Jeanne. Selective adsorption method for determination of the sugars of honey. Assoc. of Official Agr. Chemists Jour. 37(2):466-478, tables, May 1954.

BIZZI, B. Sull'impiego delle soluzioni di miele iniettabile nella practica psichiatrica. (Injections of honey solutions in psychiatry). Rass. Studi psichiat. 44(6): 7 pages, 1955.

HAYDAK, Mykola H. The nutritional value of honey. Amer. Bee Jour. 95:185-191, tables, photo, May 1955, Refs.

JOHANSEN, Carl & QUIST, John. Effects of Demeton (Systox) on honeybees foraging in treated alfalfa. Gleanings in Bee Cult. 83:580-582, tables, September 1955.

LUNDER, Rolf. Der einfluss von Honiglosapparaten auf das Pollenbild des Heidehonigs. (Influence of honey loosening machines on the pollen spectrum of heather honey.) Zeitschrift Fur Bienenforschung, 3(3): 49-52, figs. table, July 1955.

MEDICI, Angelo. Sull'impiego di soluzioni ipertoniche di miele in chirurgia. (On the use of hypertonic solutions of honey in surgery). Minerva Chirurgica 10:1342-1348, figs., tables, December 31, 1955. Refs. p. 1347-1348

MEIER, K. Eberhard & FREITAG, Gerhard. Uber die antibiotischen Eigenschaften von Sacchariden und Bienenhonig. (On the antibiotic properties of saccharides and honey.) Zeitschr. f. Hyg. u. Infektionskrank. 141(4):326-332, table, fig., 1955.

NIGELLE, Eric. Jois et sante par les fleurs; de la fleur au miel, pour rester jeune et vivre longtemps: Soissons, Diffusion nouvelle du livre (1955) 156 p.

DULMAN, Dr. Michael W. Honey as a surgical dressing. Bee Craft 38:16-17, February 1956.

KOCH. Honig als biologisches und medizinisches Forschungsproblem. (Honey as a biological and medical research problem). Westfalische Bienenztg. 69:201-203; 229-231, Aug., Sept. 1956.